

Overall

Model: MK15E

Max Transmission Range: 5 kilometers (unobstructed, free of interference)

Channels: 16 physical channels, 16 communication channels

Datalink Compatible Flight Controllers:

PX4 / ArduPilot Open-source Flight Controllers:

- SIYI N7, etc.

Agriculture Flight Controllers:

- BOYING Paladin V2
- JIYI K++ V2 / K3A Pro
- VK V7 AG / V9 AG

Video Stream Compatible Android GCS:

SIYI Original Apps:

- SIYI FPV

Open-source GCS:

- QGroundControl
- Mission Planner

Agriculture GCS:

- BOYING Agriculture
- JIYI Agri-Assistant / IFLY
- VK Agriculture

Video Stream Compatible Windows GCS:

- QGroundControl
- Mission Planner (H264 only)

Ground Unit (Remote Controller)

Monitor: 5.5-Inch High Definition and High Brightness LCD Touchscreen

System: Android 9.0 OS, 2G RAM & 16G ROM

Battery Capacity & Type: 10200 mAh 7.4 V 2S Li-ion, 75.48 Wh

Fast Charging Protocol: PD 20W

Charging Time: 5 Hours (PD 20W Charging)

Battery Life: 13 hours

Antenna Gain:

- Omni Antenna: 5 dBi
- 2.4G Rod Antenna: 5 dBi

Interface & Ports:

- Video Output: Standard HDMI*Enterprise edition only
- External Device (Mouse, USB Disk): USB-A
- Charging: Type-C
- Firmware Upgrade: Upgrade Port (Bottom GH1.25 4-Pin)
- File Transfer: Type-C / USB-A
- Mobile Network: SIM Card Slot
- External Storage: TF Card Slot / USB-A
- Tripod Mount: 1/4-inch Standard Screw Hole

Waterproof Level: IP53

Dimension (antenna overlapped): 189 x 138 x 41 mm

Weight: 850 g

Working Temperature: -10 to 50°C

Air Unit

Signal Output: 16 channels of S.Bus, 5 channels of PWM

Interface & Ports:

- S.Bus RC Signal Output: S.Bus Out (GH1.25 3-Pin)
- Datalink (to FC): UART (GH1.25 4-Pin)
- PWM Channel 1 to 5: PWM (GH1.25 6-Pin)
- Video Input / Network Communication: 2 x LAN & PWR (GH1.25 8-Pin)
- Firmware Upgrade: Type-C

Antenna Gain:

- Omni Antenna: 5 dBi
- 2.4G Rod Antenna: 5 dBi

Working Voltage:

MK15E Air Unit:

4S ~ 18S / 16.8 ~ 75.6 V

(Early lot supported 6S to 14S input only, please carefully confirm)

Power Consumption:

MK15E Air Unit:

- Average: 3.2 W
- Summit: 12 W

Dimensions (antenna excluded): 75 x 48 x 17 mm (fan included)

Weight (antenna excluded): 116 g

Working Temperature: -10 to 50°C

Air Unit HDMI Input Converter
(Optional or Packed with HDMI Combo)

Video Input: Micro HDMI

Video Output: Ethernet

Working Voltage: 12 V

Power Consumption: 3 W

Video Recording Resolution:

- 1080p (1920 x 1080) @ 30 fps

- 720p (1280 x 720) @ 30 fps

Video Recording Bitrate: 12 Mbps (H.265 codec)

Video Recording Format: H.265

File Storage Format: FAT32

Supported TF / SD Card Type: MicroSD Class10, Max 32GB

Product Dimensions: 42 x 41 x 11 mm

Weight: 26 g

Working Temperature: -10 to 50°C

R1M Recording FPV Camera (Optional)

Video Output: Ethernet

Image Sensor: 1/2.9-inch, 2 MP

FOV:

- Diagonal: 90°

- Horizontal: 80°

Working Voltage: 12 V

Power Consumption: 2.5 W

Video Recording Resolution:

- 1080p (1920 x 1080) @ 30 fps

- 720p (1280 x 720) @ 30 fps

Video Recording Bitrate: 12 Mbps (H.265 codec)

Video Recording Format: MP4

File Storage Format: FAT32

Supported TF / SD Card Type: MicroSD Class10, Max 32GB

Product Dimensions: 42 x 42 x 25 mm

Weight: 23 g

Working Temperature: -10 to 50°C